# SMT-190DN
# SMT-190DP

19" LCD Built-in With DVR,
2 Weather Resistant Cameras,
2 Night Vision cameras

- 19" AML LTM190EX-L31 LCD with 8CH (BNC/RJ-11) Built-in DVR
- 8 Channel Video&Audio Time-Lapse recording capability
- High Picture Quality : MPEG4
- Remote Monitoring and control through Network (LAN)
- Various Recording (Normal, Schedule, Motion, Alarm)
- Live viewing/Recording during playback (Triplex)
- Various network environments (TCP/IP, PPPoE, DDNS)

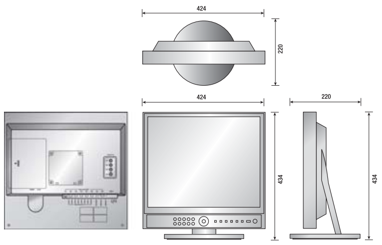
## Specifications

| Model | | SMT-190D(N)(P) | SMT-190DK(P) |
|---|---|---|---|
| Operation System | | Linux | |
| Video | Video System | NTSC/PAL | NTSC |
| | Video Input | VGA : 1 EA | |
| | | BNC Type : 8 EA | |
| | | DIY Camera(RJ-11) : 8EA | |
| | Video Output | Composite 1 Channel(CVBS) | |
| | Display Mode | Single, Multi Screen(4, 9),<br>PIP, Sequence, Freeze,Digital 2X Zoom | |
| | Display Horizontal Resolution | 450 TV LINE (Live full mode) | |
| | Sequence<br>Event List | Select between 0 sec to 60 sec<br>Recoder Time, Alarm/Motion, Power, Loss CH | |
| | Function | Zoom, PIP, Sequence, Freeze, Power Save, Display Mode | |
| Audio | Audio Input | Mono 8Channels : CAMERA 8 CH (RJ-11) | |
| | | -For DIY Camera MIC. | |
| | | 4 Channel input, RCA Type | |
| | Audio Output | Mono 1 Channel | |
| Alarm/Motion | Input | Alarm Inputs(8 cameras ) | |
| | Output | 1(Terminal Jack), A/O (HOT, COLD) : Relay Active | |
| | Alarm Reset | 1(Terminal Jack), A/R (Alarm Reset) : Open Collector | |
| | | "L" Level, Pulse Width =150ms or above | |
| | Pre Alarm | OFF, 1sec, 2sec, 3sec, 4sec, 5sec | |
| | Duration | 5sec ~ 59sec, 1M, 2M ~ 30M | |
| | Buzzer | Yes | |
| | Motion Detection | Each CH | |
| | | Level : High, Normal, Low | |
| Network | Remote Viewer | Multi viewer(Favorite function) -MAX 9 division | |
| | | Use exclusive codec for network transmission<br>-No dependency with the recording condition | |
| | | A/V stream transmit Protocol -TCP/IP | |
| | | Using DDNS server, Dynamic IP connection | |
| | | Live monitoring | |
| | | Record in remote PC. | |
| | Compression | MPEG4-I | |
| | Network | Supports 10/100Base-T | |
| | Network Protocol | TCP/IP, DHCP, PPPoE, DDNS | |
| | PC Environment | Windows 2000, Windows XP, Windows NT, Windows VISTA | |
| | Remote Monitoring Speed | Average 2Mbps bandwidth | |
| | PC Backup | live image recording, Play back by viewer | |
| | Remote Searching | Date/Time, Event List Search | |
| | Snap Shot | 1 snap image recording | |
| | Security | Password / User name Protection | |
| | E-Mail sending | alarm occure e-mail(0.5sec/5image/5recipient) | |
| | Web Browser | Internet Explorer 5.5 up | |
| | Remote Function | Single/Quad Display Control, Sequence, | |
| | Control | Large/Small Display | |
| | Max Connector | Max 10 person,4 person guarantee | |

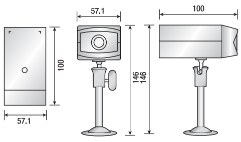
| Model | | SMT-190D(N)(P) | SMT-190DK(P) |
|---|---|---|---|
| REC/Play /Searching | Video REC/PB Speed | 60ips | |
| | Video CODEC | MPEG4 | |
| | Audio CODEC | G.723 | |
| | Simplex/Duplex | Duplex | |
| | Video REC CH Number | 8CH Mode | |
| | Display Speed | 7.5ips/CH | |
| | REC Mode | Time Lapse, Event(Alarm,Motion), | |
| | | Scehdule(Date/Time) | |
| | Play Speed | -64, -32, -16, -8, -4, -2, 0(Pause), Play, | |
| | | 2, 4, 8, 16, 32, 64 | |
| | Recording Capability Time | 48 hours(8CH Real time) Time Lapse Mode : | |
| | | Max 1625 hours(8CH MODE) | |
| | Video Record Resolution | CIF:60ips | |
| | Search Mode | Recoder Event Search, Alarm/Motion Event Search, | |
| | | Date/Time Search | |
| Password | Password | on/off | |
| Remote Controller | Remote Controller | Yes | |
| Storage | HDD | 250G | |
| BACK UP | BACK UP | USB 2.0 I/F : Front 1Port - Memory | |
| CRT Panel | Inch | 19" AML LTM190EX-L31 | |
| | Display Type | SXGA a-Si TFT-LCD | |
| | Resolution (HxV) | 1280 X 1024 | |
| | Brightness(cd/m²) | 300 | |
| | Contrast | 1,000:1 | |
| | Response Time | 5msec | |
| | Viewing Angle Degree | 80/80/80/80 | |
| | Active Display Area | 376.32mm(H) x 301.056mm(V) | |
| | Pixel Pitch | 0.294mm(H) x 0.294mm(V) | |
| Monitor Feature | Scan System | Progressive | |
| | Screen Mode | 4:3 | |
| | 2D Comb Filter | YES | |
| | Noise Reduction | YES | |
| | PIP | YES | |
| | Freeze | YES | |
| | Under Scan | YES | |
| | HAS Stand (Lift/Tilt/Swievel) | 0 ~ 100mm / 0°~ 23°/ -175° ~ +175° | |
| Power | Power | AC120V, 60Hz | |
| Audio Output | Audio Output | 2 W | |
| Package Composition | Product Composition | Night Vision Camera SOC-N120(P) : 2EA | NONE |
| | | Weather Resistant CameraSOC-C120(P) : 2EA | |
| | | 60 ft Cable | |
| Environmental Conditions | Operating Temperature | 0 °C ~ 40 °C | |
| | Storage Temperature | -20 °C ~ 60 °C | |
| | Operating Humidity | 20% ~ 85% RH | |
| | Storage Humidity | 20% ~ 95% RH | |
| Dimensions | Net(mm) | 424x220x434(WxDxH) | |
| | Package(mm) | 517x382x507(WxDxH) | 517x262x507(WxDxH) |
| Weight | Net(kg) | 7.95 | 7.95 |
| | Package(kg) | 14.75 | 10.75 |

## Dimensions (unit:mm)

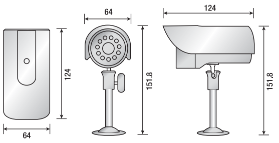
### 19" LCD with Built-in DVR



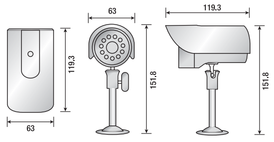
### Weather Resistant Camera : SOC-C120



### Night Vision Camera : SOC-N120



### Night Vision Camera(Metal) : SOC-N121



* Design and specifications are subject to change without notice.

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